

Energy Efficient • Ergonomically Sound • Aesthetically Pleasing • Environmentally Responsible



Clear-Vu Lighting's edge lit LED light panels are ideal for general illumination of offices, retail spaces, classrooms and healthcare facilities. The uniformly illuminated panels eliminate glare, providing high levels of even illumination. This ergonomically sound high quality lighting minimizes eye fatigue that can lead to headache and low employee/student performance.

The flat panel system is energy efficient, easy to install and requires very little maintenance (no lamp replacement and easy to clean lenses). Architects and designers appreciate the flush-mount aesthetic benefits of an uncluttered ceiling plane. This is a truly sustainable lighting solution – economically sound, ergonomically sensitive and environmentally responsible.

FEATURES AND BENEFITS:

ENERGY EFFICIENT

- Design Lights Consortium® qualified

ERGONOMICALLY SOUND

- No visible diodes or direct glare
- High levels of non-glaring uniform illumination minimizes eye fatigue

AESTHETICALLY PLEASING

- Evenly illuminated panel
- Flush-mounted white panels produce an uncluttered ceiling
- >84 CRI

DURABLE

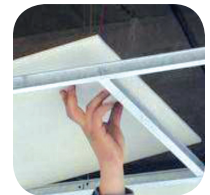
- 50,000 hours
- Polycarbonate lens
- 5-year warranty

EASE OF INSTALLATION

- Compatible with standard grid ceilings
- Surface mount and recessed/flange dry wall kits available
- Quick wiring
- Low profile – less than 2 inches

ENVIRONMENTALLY RESPONSIBLE

- RoHS compliant
- No mercury



Flush mount installation produces uncluttered ceiling

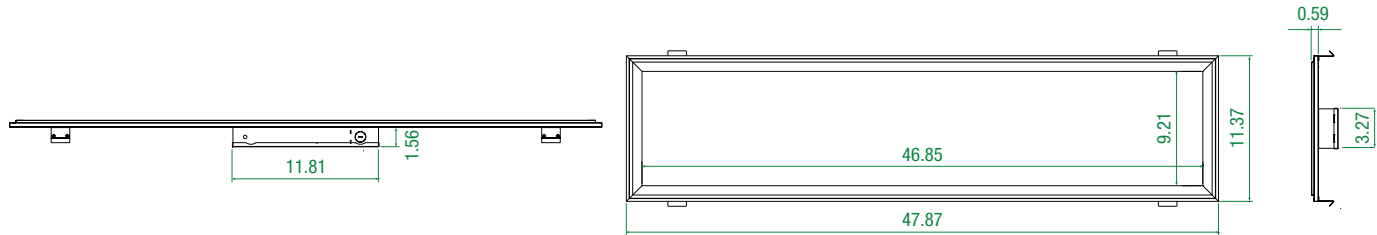


Evenly illuminated panel minimizes eye fatigue and is aesthetically pleasing

DESIGNLIGHTS
CONSORTIUM

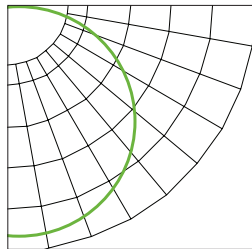
Design Lights Consortium® qualified

DIMENSIONAL DATA



PHOTOMETRICS

Polar Graph



Luminance at a Distance

	Center Beam fc	Beam Width	
17.0 ft	3.61 fc	60.2 ft	53.0 ft
34.0 ft	0.90 fc	120.4 ft	106.0 ft
51.0 ft	0.40 fc	180.6 ft	159.0 ft
68.0 ft	0.23 fc	240.7 ft	212.0 ft
85.0 ft	0.14 fc	300.9 ft	265.0 ft
102.0 ft	0.10 fc	361.1 ft	318.0 ft

Vertical Spread: 121.1°

Horizontal Spread: 114.6°

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	824.9	25.8%	25.8%
0-40	1369.7	42.8%	42.8%
0-60	2475.4	77.5%	77.5%
60-90	718.3	22.5%	22.5%

Lumens Per Zone

Zone	Lumens	% Total
0-10	99.0	3.1%
10-20	285.8	8.9%
20-30	440.2	13.8%
30-40	542.8	17.0%
40-50	576.6	18.0%
50-60	531.1	16.6%
60-70	410.5	12.8%
70-80	239.4	7.5%
80-90	68.3	2.1%

SPECIFICATIONS

Lens/Luminaire Frame: High-impact translucent polycarbonate lens with white powder coated extruded aluminum lens frame. Aluminum back panel and electrical component covers.

Optics: Edge lit LED optics (Light Guide Panel) provides evenly illuminated panel. See ordering information for additional color temperatures.

Electrical: 110-277 VAC integral, high efficiency (0.99 power factor) driver and power supply. Standard Output: 40-watt input power. 0-10 V dimming. 90-minute emergency battery optional.

Installation: Designed for standard 1.0" T-bar grid ceiling. See Dimensional Data for OD requirements. Surface mount and recessed flange kits available – see accessories.

Listings, Certifications & Certifications: ETL (conforms to ANSI/UL STD 1598, Certified to CAN/CSA STD C2.2 No. 250.0). LM79. DesignLights Consortium (DLC). L70 50,000 hours. RoHS compliant.

ORDERING INFORMATION

SERIES	OUTPUT	SIZE	COLOR TEMP.	VOLTAGE	BACKUP
FPG1	-	14	-	UV	- NB
FPG1 = Flat Panel, Recessed Grid	S =Standard 3196 lumens	14 = Nominal 1x4 <i>See Installation Detail for exact dimensions</i>	W =3,500K N =4,000K C =5,000K	UV = Universal Voltage (100-277 VAC)	NB = No Backup

PROJECT INFORMATION

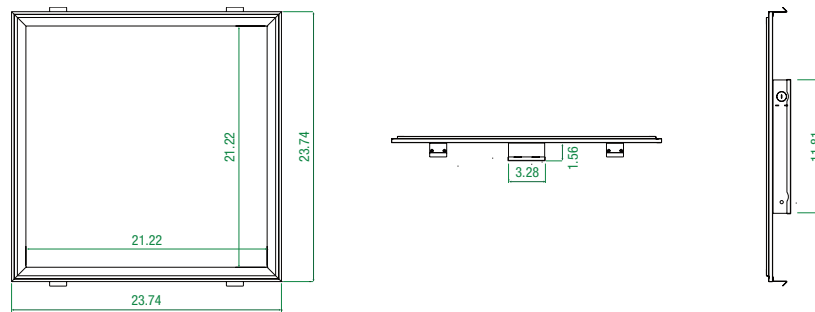
Project Name/Location _____

Fixture Type _____

Fixture Quantity _____

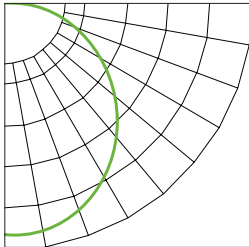
Catalog Number _____

DIMENSIONAL DATA



PHOTOMETRICS

Polar Graph



Luminance at a Distance

Center Beam fc		Beam Width	
17.0 ft	5.58 fc	52.8 ft	52.7 ft
34.0 ft	1.40 fc	105.6 ft	105.3 ft
51.0 ft	0.62 fc	158.4 ft	158.0 ft
68.0 ft	0.35 fc	211.2 ft	210.6 ft
85.0 ft	0.22 fc	264.0 ft	263.3 ft
102.0 ft	0.16 fc	316.8 ft	315.9 ft

Vertical Spread: 121.1°

Horizontal Spread: 114.6°

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1257.3	25.8%	25.8%
0-40	2065.0	43.6%	43.6%
0-60	3678.5	77.5%	77.6%
60-90	1054.0	22.2%	22.2%

Lumens Per Zone

Zone	Lumens	% Total
0-10	152.7	3.2%
10-20	438.2	9.2%
20-30	666.3	14.1%
30-40	807.7	17.0%
40-50	843.8	17.8%
50-60	769.7	16.2%
60-70	595.9	12.6%
70-80	353.9	7.5%
80-90	104.2	2.2%

SPECIFICATIONS

Lens/Luminaire Frame: High-impact translucent polycarbonate lens with white powder coated extruded aluminum lens frame. Aluminum back panel and electrical component covers.

Optics: Edge lit LED optics (Light Guide Panel) provides evenly illuminated panel. See ordering information for additional color temperatures.

Electrical: 110-277 VAC integral, high efficiency (0.99 power factor) driver and power supply. Standard Output: 40-watt input power; High Output: 58-watt input power. 0-10 V dimming. 90-minute emergency battery optional.

Installation: Designed for standard 1.0" T-bar grid ceiling. See Dimensional Data for OD requirements. Surface mount and recessed flange kits available – see accessories.

Listings, Certifications & Certifications: ETL (conforms to ANSI/UL STD 1598, Certified to CAN/CSA STD C2.2 No. 250.0). LM79. DesignLights Consortium (DLC). L70 50,000 hours. RoHS compliant.

ORDERING INFORMATION

SERIES	OUTPUT	SIZE	COLOR TEMP.	VOLTAGE	BACKUP
FPG1		22		UV	NB
FPG1= Flat Panel, Recessed Grid	S=Standard 3397 lumens H=High 4738 lumens	22= Nominal 2x2 See Installation Detail for exact dimensions	W=3,500K N=4,000K C=5,000K	UV= Universal Voltage (100-277 VAC)	NB= No Backup

PROJECT INFORMATION

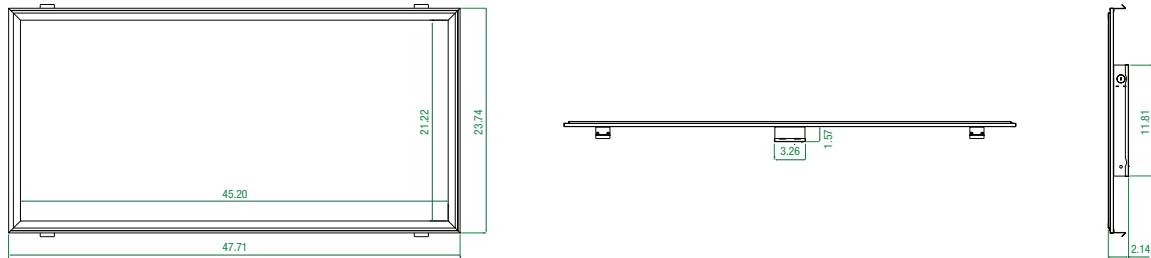
Project Name/Location _____

Fixture Type _____

Fixture Quantity _____

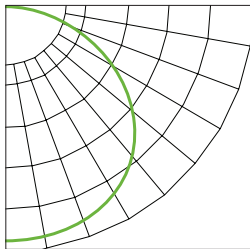
Catalog Number _____

DIMENSIONAL DATA



PHOTOMETRICS

Polar Graph



Luminance at a Distance

	Center Beam fc	Beam Width	
17.0 ft	4.62 fc	62.1 ft	54.4 ft
34.0 ft	1.15 fc	124.2 ft	108.8 ft
51.0 ft	0.51 fc	186.2 ft	163.3 ft
68.0 ft	0.29 fc	248.3 ft	217.7 ft
85.0 ft	0.18 fc	310.4 ft	272.1 ft
102.0 ft	0.13 fc	372.5 ft	326.5 ft

Vertical Spread: 121.6°

Horizontal Spread: 116.0°

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1057.2	25.5%	25.5%
0-40	1755.7	42.4%	42.4%
0-60	3190.8	77.0%	77.0%
60-90	952.9	23.0%	23.0%

Lumens Per Zone

Zone	Lumens	% Total
0-10	126.6	3.1%
10-20	365.9	8.8%
20-30	564.7	13.6%
30-40	698.4	16.8%
40-50	745.1	18.0%
50-60	690.0	16.6%
60-70	538.4	13.0%
70-80	320.7	7.7%
80-90	93.8	2.3%

SPECIFICATIONS

Lens/Luminaire Frame: High-impact translucent polycarbonate lens with white powder coated extruded aluminum lens frame. Aluminum back panel and electrical component covers.

Optics: Edge lit LED optics (Light Guide Panel) provides evenly illuminated panel. See ordering information for additional color temperatures.

Electrical: 110-277 VAC integral, high efficiency (0.99 power factor) driver and power supply. Standard Output: 50-watt input power; High Output: 78-watt input power. 0-10 V dimming. 90-minute emergency battery optional.

Installation: Designed for standard 1.0" T-bar grid ceiling. See Dimensional Data for OD requirements. Surface mount and recessed flange kits available – see accessories.

Listings, Certifications & Certifications: ETL (conforms to ANSI/UL STD 1598, Certified to CAN/CSA STD C2.2 No. 250.0). LM79. DesignLights Consortium (DLC). L70 50,000 hours. RoHS compliant.

ORDERING INFORMATION

SERIES	OUTPUT	SIZE	COLOR TEMP.	VOLTAGE	BACKUP
FPG1	-	24	-	UV	- NB
FPG1 = Flat Panel, Recessed Grid	S =Standard 4146 lumens H =High 6405 lumens	24 = Nominal 2x4 See Installation Detail for exact dimensions	W =3,500K N =4,000K C =5,000K	UV = Universal Voltage (100-277 VAC)	NB = No Backup

PROJECT INFORMATION

Project Name/Location _____

Fixture Type _____

Fixture Quantity _____

Catalog Number _____